

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/02290

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H01L41/083

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H01L41/083

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2002
Kokai Jitsuyo Shinan Koho	1971-2002	Jitsuyo Shinan Toroku Koho	1996-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 629007 A1 (NGK Insulators Ltd.), 14 December, 1994 (14.12.94), Full text; Figs. 1 to 3 & DE 69401855 E & JP 06-350155 A	1-17, 19-25, 27-29
Y	JP 04-341851 A (Brother Industries, Ltd.), 27 November, 1992 (27.11.92), Full text; Fig. 1 (Family: none)	1-17, 19-25, 27-29
Y	JP 2000-308372 A (Seiko Instruments Inc.), 02 November, 2000 (02.11.00), Full text; Fig. 1 (Family: none)	3, 14, 22
Y	EP 1035595 A2 (NGK Insulators Ltd.), 13 September, 2000 (13.09.00), Page 18, lines 12 to 24 & JP 2000-317898 A	5, 17, 25

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
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Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.